

FORM PTO-1449

ATTY. DOCKET NO.
0942.5010002APPLICATION NO.
09/732,914APPLICANT
Cheo et al.FILING DATE
December 11, 2000GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4					Yes No
	AM4					Yes No
	AN4					Yes No
<i>AL</i>	AO4	WO 01/11058	09/08/1999	WIPO		Yes No
	AP4					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	4	
AS	4	
AT	4	

EXAMINER

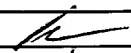
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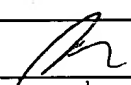

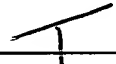


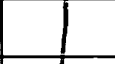
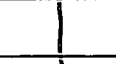

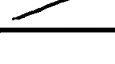
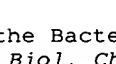
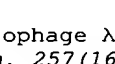
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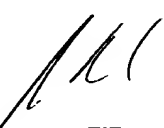
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	AA1	4,673,640	06/16/1987	Backman, K.C.	435	68	04/30/1984
	AB1	4,743,546	05/10/1998	Backman et al.	435	108	02/13/1985
	AC1	4,959,317	09/25/1990	Sauer B.L.	435	172.3	04/29/1987
	AD1	5,227,288	07/13/1993	Blattner, F.R.	435	6	10/01/1990
	AE1	5,354,668	10/11/1994	Auerbach, J.I.	435	91.1	10/15/1993
	AF1	5,434,066	07/18/1995	Bebee, R.L., et al.	435	172.3	03/15/1994
	AG1	5,470,727	11/28/1995	Mascarenhas et al.	435	172.3	12/21/1993
	AH1	5,591,609	01/07/1997	Auerbach, J.I.	435	91.2	02/03/1995
	AI1	5,614,389	03/25/1997	Auerbach, J.I.	435	91.2	09/26/1995
	AJ1	5,635,381	06/03/1997	Hooykaas et al.	435	172.3	01/20/1995
	AK1	5,658,772	08/19/1997	Odell et al.	435	172.3	07/27/1994

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	EP 0 160 571 A2	11/06/1985	Europe			Yes No
	AM1	EP 0 300 422	01/25/1989	Europe			Yes No
	AN1	WO 91/02801	03/07/1991	WIPO			Yes No
	AO1	WO 91/16427	10/31/1991	WIPO			Yes No
	AP1	WO 92/20791	11/26/1992	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	1	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ xis Gene Product Required for λ Excisive Recombination," <i>J. Biol. Chem.</i> 257(16):9658-9662, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1982).
	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1984).
	AT	1	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261(1):391-396, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1986).

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<i>PK</i>	AA2	5,677,170	10/14/1997	Devine et al.	435	20.1	03/02/1994
	AB2	5,677,177	10/14/1997	Wahl et al.	435	325	06/07/1995
	AC2	5,710,248	01/20/1998	Grose, C.F.	530	327	07/29/1996
	AD2	5,723,765	03/03/1998	Oliver et al.	800	208	06/07/1995
	AE2	5,733,733	03/31/1998	Auerbach, J.I.	435	6	02/01/1996
	AF2	5,733,743	03/31/1998	Johnson et al.	435	320.1	06/10/1996
	AG2	5,744,336	04/28/1998	Hodges et al.	435	172.3	03/08/1996
	AH2	5,766,891	06/16/1998	Shuman, S.	435	91.41	12/19/1994
	AI2	5,776,449	07/07/1998	Baum et al.	424	93.2	09/20/1996
	AJ2	5,830,707	11/03/1998	Bushman, F.D.	435	69.7	06/05/1995
	AK2	5,837,242	11/17/1998	Holliger et al.	424	136.1	05/14/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>PK</i>	AL2	WO 93/15191	08/05/1993	WIPO	<i>I</i>	<i>I</i>	Yes No
	AM2	WO 93/19172	09/30/1993	WIPO	<i>I</i>	<i>I</i>	Yes No
	AN2	CA 2,141,412	02/17/1994	Canada	<i>I</i>	<i>I</i>	Yes No
	AO2	WO 94/17176	08/04/1994	WIPO	<i>I</i>	<i>I</i>	Yes No
	AP2	WO 95/00555	01/05/1995	WIPO	<i>I</i>	<i>I</i>	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>PK</i>	AR	2	Abremski, K., et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," Cell 32:1301-1311, Cell Press, Cambridge, MA (1993).
	AS	2	Adams, D.E., et al., "Cre-lox Recombination in <i>Escherichia coli</i> Cells: Mechanistic Differences from the <i>in Vitro</i> Reaction," J. Mol. Biol. 226:661-673, Academic Press, Inc., New York, NY (1992).
	AT	2	Andrews, B.J., et al., "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," Cell 40:795-803, Cell Press, Cambridge, MA (1985).

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J/K	AA3	5,843,772	12/01/1998	Devine, S.E., et al.	435	69.1	11/18/1994
	AB3	5,851,808	12/22/1998	Elledge et al.	435	172.3	02/28/1997
	AC3	5,858,657	01/12/1999	Winter et al.	435	6	06/07/1995
	AD3	5,871,907	02/16/1999	Winter et al.	435	6	03/31/1994
	AE3	5,874,259	02/23/1999	Szybalski, W.	435	91.1	11/21/1997
	AF3	5,888,732	03/30/1999	Hartley et al.	435	6	06/07/1996
	AG3	5,916,804	06/29/1999	Bushman, F.D.	435	325	04/17/1998
	AH3	5,919,676	07/06/1999	Graham et al.	435	172.3	06/07/1995
	AI3	5,928,914	07/27/1999	Leboulch et al.	435	172.3	11/05/1996
	AJ3	5,989,872	11/22/1999	Luo et al.	435	91.2	08/12/1997
	AK3	6,010,884	01/04/2000	Griffiths et al.	435	69.7	05/29/1996

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J/K	AL3	WO 97/06265	02/20/1997	WIPO			Yes No
	AM3	WO 97/09436	03/13/1997	WIPO			Yes No
	AN3	WO 97/25446	07/17/1997	WIPO			Yes No
	AO3	WO 97/32481	09/12/1997	WIPO			Yes No
	AP3	WO 98/10086	03/12/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
J/K	AR	3	Andrews, B.J., et al., "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2µm Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489, American Society for Microbiology, Washington, D.C. (1986).
	AS	3	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology, Washington, D.C. (1995).
	AT	3	Araki, H., et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37, Academic Press, Inc., New York, NY (1992).

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	AA4	6,040,430	03/21/2000	Stewart	530	358	12/26/1995
	AB4	6,063,627	06/16/2000	McVey et al.	435	440	02/25/1998
	AC4	5,348,886	09/20/1994	Lee et al.	435	320.1	09/04/1992
	AD4	6,171,861	01/09/2001	Hartley et al.	435	455	01/12/1998
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	AL4	WO 99/10488	03/04/1999	WIPO			Yes
	AM4	WO 00/12687	03/09/2000	WIPO			No
	AN4	EP 1 035 208	09/13/2000	Europe			Yes
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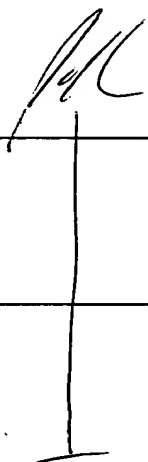
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>4</u>	Argos, P., et al., "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5(2):433-440, IRL Press Limited, Oxford, England (1986).
	AS	<u>4</u>	Astumian, J.H., et al., "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:1747-1750, American Society for Microbiology, Washington, D.C. (1989).
	AT	<u>4</u>	Atlung, T., et al., "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier/North-Holland, Netherlands (1991).

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	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>5</u>	Ausubel, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, (1995).
	AS	<u>5</u>	Ausubel, F.M., et al., "Mutagenesis by the Polymerase Chain reaction," in: <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.9 (1995).
	AT	<u>5</u>	Babineau, D. et al., "The FLP Protein of the 2-micron Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1985).

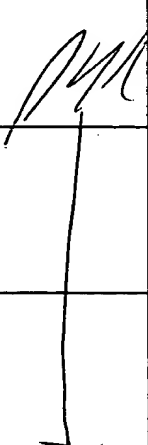
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>6</u>	Balakrishnan, R., et al., "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for att-Int-mediated rearrangement and p_L expression vectors," <i>Gene</i> 138:101-104, Elsevier/North-Holland, Netherlands (January 1994).
	AS	<u>6</u>	Bayley, C.C., et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361, Dordrecht Kluwer Academic, Boston, MA (1992).
	AT	<u>6</u>	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834, Oxford University Press, Oxford, England (1997).

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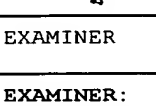
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>7</u>	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid CcdB Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc., New York, NY (1992).
	AS	<u>7</u>	Bernard, P., et al., "Positive Selection of vectors using the F plasmid ccdB killer gene," <i>Gene</i> 148:71-74, Elsevier Science Publishers B.V., Amsterdam, Netherlands (1994).
	AT	<u>7</u>	Betz, U.A.K., et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," <i>Curr. Biol.</i> 6:1307-1316, Current Biology Ltd., London, England (October 1996).


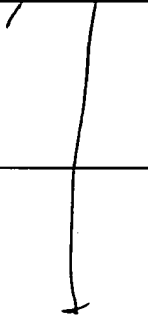

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>8</u>	Bhandari, P. and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol.</i> 179:4403-4406, American Society for Microbiology, Washington, D.C. (July 1997).
	AS	<u>8</u>	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," <i>Gene</i> 46:97-101, Elsevier/North-Holland, Netherlands (1986).
	AT	<u>8</u>	Bloch, C.A., et al., "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111, Academic Press, Inc., New York, NY (1996).

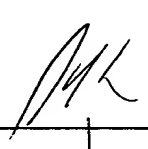
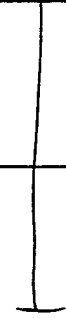
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	AP						Yes No

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	AR	<u>9</u>	Bochner, B. R., et al., "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933, American Society for Microbiology, Washington, D.C. (1980).
	AS	<u>9</u>	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21(4):817-821, Oxford University Press, Oxford, England (1993).
	AT	<u>9</u>	Broach, J. R., et al., "Recombination within the Yeast Plasmid 2μ Circle is Site-Specific," <i>Cell</i> 29:227-234, Cell Press, Cambridge, MA (1982).

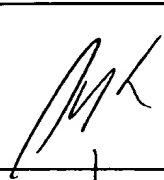
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>10</u>	Brunelli, J. P. and Pall, M. L., "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and <i>cre/lox</i> -Mediated Plasmid Excision," <i>Yeast</i> 9:1309-1318, John Wiley, Chichester, NY (1993).
	AS	<u>10</u>	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo cre/lox</i> -Mediated Recombination," <i>BioTechniques</i> 16(6):1061-1064, Eaton Publishing Company, Natick, MA (June 1994).
	AT	<u>10</u>	Bubeck, P., <i>et al.</i> , "Rapid cloning by homologous recombination <i>in vivo</i> ," <i>Nucl. Acids Res.</i> 21:3601-3602, Oxford University Press, Oxford, England (1993).

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	AR	<u>11</u>	Buchholz, F., et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," <i>Nucl. Acids Res.</i> 24(15):3118-3119, Oxford University Press, Oxford, England (1996).
	AS	<u>11</u>	Buchholz, F., et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," <i>Nucl. Acids Res.</i> 24(21):4256-4262, Oxford University Press, Oxford, England (1996).
	AT	<u>11</u>	Bushman, W., et al., "Control of Directionality in Lambda Site Specific Recombination," <i>Science</i> 230:906-911, Association for the Advancement of Science, Washington D.C. (1985).

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	AR	<u>12</u>	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," J. Bacteriol. 174(23):7495-7499, American Society for Microbiology, Washington, D.C. (1992).
	AS	<u>12</u>	Chapin, S.J., et al., "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," Biochem. 34:2289-2301, American Chemical Society, Washington D.C. (1995).
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	AR	<u>13</u>	Cox, M.M., "The FLP protein of the yeast 2- μ m plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80:4223-4227, National Academy of Sciences of the USA, Washington, D.C. (1983).
	AS	<u>13</u>	Craig, N.L. and Nash, H.A., "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase," <i>Cell</i> 35:795-803, Cell Press, Cambridge, MA (1983).
	AT	<u>13</u>	Dale, E.C. and Ow, D.W., "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase," <i>Gene</i> 91:79-85, Elsevier/North-Holland, Netherlands (1990).

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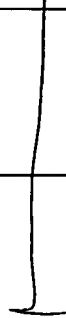
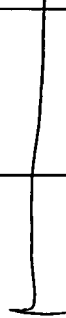
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	AR	<u>14</u>	Dale, E.C. and Ow, D.W., "Gene transfer with subsequent removal of the selection gene from the host genome," <i>Proc. Natl. Acad. Sci. USA</i> 88:10558-10562, National Academy of Sciences of the USA, Washington, D.C. (1991).
	AS	<u>14</u>	Dang, D.T. and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Develop. Genetics</i> 13:367-375, Wiley-Liss, Inc., New York, NY (1992).
	AT	<u>14</u>	Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene</i> 170:45-50, Elsevier/North-Holland, Netherlands (1996).

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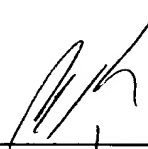
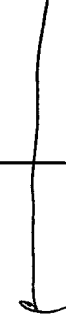
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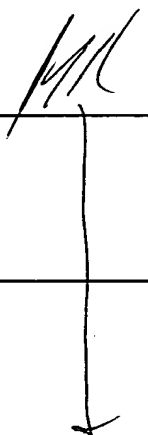
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>15</u>	Devine, S. E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets in vitro: a useful tool for DNA mapping, sequencing and genetic analysis," <i>Nucl. Acids Res.</i> 22(18):3765-3772, Oxford University Press, Oxford, England (September 1994).
	AS	<u>15</u>	Diederich, L., et al., "New Cloning Vectors for Integration into the λ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome," <i>Plasmid</i> 28:14-24, Academic Press, New York, NY (1992)
	AT	<u>15</u>	Dymecki, S. M., "A modular set of <i>Flp</i> , <i>FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene</i> 171:197-201, Elsevier/North-Holland, Netherlands (June 1996).

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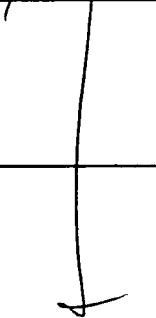

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	AR	<u>16</u>	Elledge, S. J., <i>et al.</i> , "AYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735, National Academy of Sciences of the USA, Washington, D.C. (1991).
	AS	<u>16</u>	Feil, R., <i>et al.</i> , "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm.</i> 237:752-757, Academic Press, Inc., New York, NY (1997).
	AT	<u>16</u>	Ferguson, J., <i>et al.</i> , "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," <i>Gene</i> 16:191-197, Elsevier/North-Holland, Netherlands (1981).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>17</u>	Fiering, S., et al., "An "in-out" strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> 90:8469-8473, National Academy of Sciences of the USA, Washington, D.C. (1993).
	AS	<u>17</u>	Filutowicz, M., et al., "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step," <i>Gene</i> 147:149-150, Elsevier/North-Holland, Netherlands (September 1994).
	AT	<u>17</u>	Francia, M.V., and Lobo, J.M.G., "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898, American Society for Microbiology, Washington, D.C. (February 1996).

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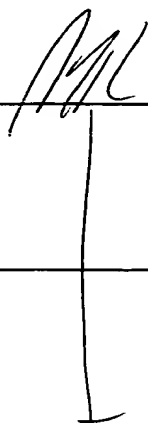
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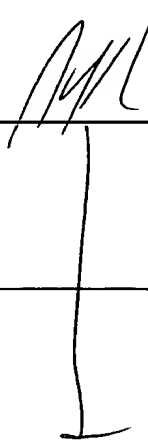
	AR	<u>18</u>	Fukushige, S. and Sauer, B., "Genomic targeting with a positive-selection lox integration vector allows highly reproducible gene expression in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:7905-7909, National Academy of Sciences of the USA, Washington, D.C. (1992).
	AS	<u>18</u>	Geoffroy, F., et al., "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires," <i>Gene</i> 151:109-113, Elsevier/North-Holland, Netherlands (December 1994).
	AT	<u>18</u>	Glasgow, A.C., et al., "DNA-binding Properties of the Hin Recombinase," <i>J. Biol. Chem.</i> 264:10072-10082, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1989).

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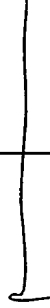
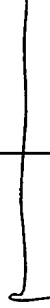
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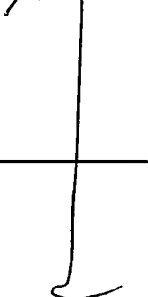
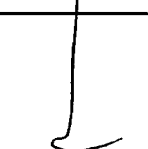
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>21</u>	Hashimoto-Gotoh, T., <i>et al.</i> , "Improved vector, pHSG664, for direct streptomycin-resistance selection: cDNA cloning with G:C-tailing procedure and subcloning of double-digested DNA fragments," <i>Gene</i> 41:125-128, Elsevier/North-Holland, Netherlands (1986).
	AS	<u>21</u>	Hoekstra, M. F., <i>et al.</i> , "Shuttle Mutagenesis: Bacterial Transposons for Genetic Manipulations in Yeast," <i>Meth. Enzymol.</i> 194:329-342, Academic Press Inc., New York, NY (1991).
	AT	<u>21</u>	Hoess, R.H., <i>et al.</i> , "P1 site-specific recombination: Nucleotide sequence of the recombining sites," <i>Proc. Natl. Acad. Sci. USA</i> 79:3398-3402, National Academy of Sciences of the USA, Washington, D.C. (1982).

EXAMINER	DATE CONSIDERED
JAMES KETTER PRIMARY EXAMINER	6/22/02
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.5010002	APPLICATION NO. 09/732,914
	APPLICANT Cheo et al.	
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>22</u>	Hoess, R.H., et al., "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-specific Recombination System," <i>J. Mol. Biol.</i> 181:351-362, Academic Press, Inc., New York, NY (1985).
	AS	<u>22</u>	Hoess, R., et al., "Formation of small circular DNA molecules via an in vitro site-specific recombination system," <i>Gene</i> 40:325-329, Elsevier/North-Holland, Netherlands (1985).
	AT	<u>22</u>	Hoess, R. H., et al., "The role of the loxP spacer region in P1 site-specific recombination," <i>Nucl. Acids Res.</i> 14(5):2287-2300, Oxford University Press, Oxford, England (1986).

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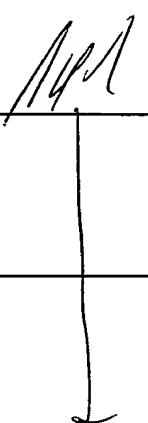
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>23</u>	Hoess, R. H., and Abremski, K., "The Cre-lox Recombination System," in: <i>Nucleic Acids and Molecular Biology</i> , Vol. 4, ed. by Eckstein, F. and D. M. J. Lilley, Springer-Verlag, Berlin, pp 99-109 (1990).
	AS	<u>23</u>	Hoogenboom, H.R., et al., "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," <i>Nucl. Acids Res.</i> 19:4133-4137, Oxford University Press, Oxford, England (1991).
	AT	<u>23</u>	Holt, C.L., and May, G.S., "A novel phage λ replacement Cre-lox vector that has automatic subcloning capabilities," <i>Gene</i> 133:95-97, Elsevier/North-Holland, Netherlands (1993).

EXAMINER	JAMES KETTER PRIMARY EXAMINER	DATE CONSIDERED 6/22/02
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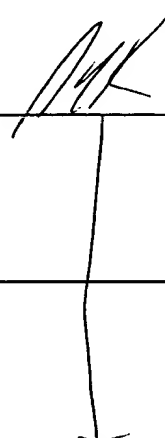
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>24</u>	Jaffé, A., et al., "Effects of the ccd Function of the F Plasmid on Bacterial Growth," <i>J. Bacteriol.</i> 163:841-849, American Society for Microbiology, Washington, D.C. (1985).
	AS	<u>24</u>	Kanaar, R., et al., "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between Cis-Acting Sites," <i>Cell</i> 58:147-159, Cell Press, Cambridge, MA (1989).
	AT	<u>24</u>	Katz, L., et al., "Site-specific Recombination in <i>Escherichia coli</i> between the att sites of plasmid pSE211 from <i>Saccharopolyspora erythraea</i> ," <i>Mol. Gen. Genet.</i> 227:155-159, Springer-Verlag, New York, NY (1991).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	25	Kilby, N.J., et al., "Site-specific recombinases: tools for genome engineering," <i>Trends Genet.</i> 9:413-421, Elsevier Science Publishers Ltd., Cambridge, England (1993).
	AS	25	Kim, S., et al., "Lambda Int Protein Bridges Between Higher Complexes at Two Distant Chromosomal Loci attL and attR," <i>Science</i> 256:198-203, Association for the Advancement of Science, Washington D.C. (1992).
	AT	25	Kozak, M., "Comparison of Initiation of Protein Synthesis in Prokaryotes, Eucaryotes, and Organelles," <i>Microbiol. Rev.</i> 47:1-45, American Society For Microbiology, Washington, D.C. (1983).

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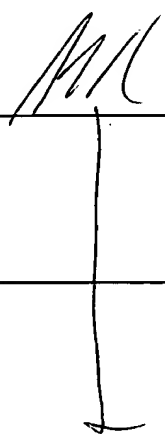
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>26</u>	Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs," <i>Nucl. Acids res.</i> 15:8125-8132, Oxford University Press, Oxford, England (1987).
	AS	<u>26</u>	Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," <i>J. Biol. Chem</i> 266:19867-19870, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1991).
	AT	<u>26</u>	Kühn, R., et al., "Inducible Gene Targeting in Mice," <i>Science</i> 269:1427-1429, Association for the Advancement of Science, Washington D.C. (September 1995).

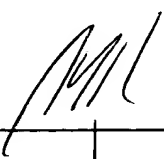
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>27</u>	Lafontaine, D., and Tollervey, D., "One-step PCR mediated strategy for the construction of conditionally expressed and epitope tagged yeast proteins," <i>Nucl. Acids Res.</i> 24:2469-2472, Oxford University Press, Oxford, England (1996).
	AS	<u>27</u>	Lakso, M., et al., "Targeted oncogene activation by site-specific recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6232-6236, National Academy of Sciences of the USA, Washington, D.C. (1992).
	AT	<u>27</u>	Lander, E.S., "The New Genomics: Global Views of Biology," <i>Science</i> 274:536-539, Association for the Advancement of Science, Washington D.C. (October 1996).


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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>28</u>	Landy, A., "Dynamic, Structural, and Regulatory Aspects of λ Site-Specific Recombination," <i>Annu. Rev. Biochem.</i> 58:913-949, American Chemical Society, Washington D.C. (1989).
	AS	<u>28</u>	Landy, A., "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP," <i>Curr. Op. Genet. Develop.</i> 3:699-707, Current Biology Ltd., London, England (1993).
	AT	<u>28</u>	Lebreton, B., et al., "Mutations That Improve the Binding of Yeast FLP Recombinase to Its Substrate," <i>Genetics</i> 118:393-400, Genetics Society of America, Baltimore, MD (1988).


EXAMINER JAMES KETTER PRIMARY EXAMINER	DATE CONSIDERED <i>6/22/02</i>
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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	29	Lee, E.C., <i>et al.</i> , "Genetic Analysis of <i>Escherichia coli</i> Integration Host Factor Interactions with Its Bacteriophage λ H' Recognition Site," <i>J. Bacteriol.</i> 173:609-617, American Society for Microbiology, Washington, D.C. (1991).
	AS	29	Leong, J.M., <i>et al.</i> , "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system," <i>Proc. Natl. Acad. Sci. USA</i> 82:6990-6994, National Academy of Sciences of the USA, Washington, D.C. (1985).
	AT	29	Liu, Q., <i>et al.</i> , "The univector plasmid-fusion system, a method for rapid construction of recombinant DNA without restriction enzymes," <i>Curr. Biol.</i> 8:1300-1309, Current Biology Ltd., London, England (1998).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	30	Lorbach, E. et al., "Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants," <i>J. Mol. Biol.</i> 296:1175-1181, Academic Press, Inc., New York, NY (March 2000).
	AS	30	Luckow, V. A., et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ," <i>J. Virol.</i> 67(8):4566-4579, American Society for Microbiology, Washington, D.C. (1993).
	AT	30	Maeser, S., and Kahmann, R., "The Gin recombinase of phage Mu can catalyze site-specific recombination in plant protoplasts," <i>Mol. Gen. Genet.</i> 230:170-176, Springer-Verlag, New York, NY (1991).

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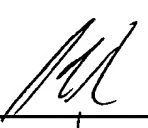
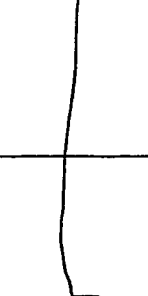
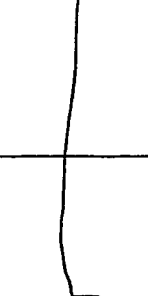
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	AR	<u>31</u>	Matsuzaki, H., et al., "Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid," <i>J. Bacteriol.</i> 172:610-618, American Society for Microbiology, Washington, D.C. (1990).
	AS	<u>31</u>	Mahillon, J., et al., "IS231 and other <i>Bacillus thuringiensis</i> transposable elements: a review," <i>Genetica</i> 93:13-26, Dordrecht Kluwer Academic Publishers (November 1994).
	AT	<u>31</u>	McCarthy, J.E. and Brimacombe, R., "Prokaryotic translation: the interactive pathway leading to initiation," <i>Trends Genet.</i> 10:402-407, Elsevier Science Publishers Ltd., Cambridge, England (November 1994).

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>32</u>	Medberry, S.L., et al., "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination," <i>Nucl. Acids Res.</i> 23:485-490, Oxford University Press, Oxford, England (1995).
	AS	<u>32</u>	Miki, T. et al., "Control of Segregation of Chromosomal DNA by Sex Factor F in <i>Escherichia coli</i> . Mutants of DNA Gyrase Subunit A Suppress <i>letD</i> (<i>ccdB</i>) Product Growth Inhibition," <i>J. Mol. Biol.</i> 225:39-52, Academic Press, Inc., New York, NY (1992).
	AT	<u>32</u>	Mizuuchi, K., and Mizuuchi, M., "Integrative Recombination of Bacteriophage λ : In Vitro Study of the Intermolecular Reaction," <i>Cold Spring Harb. Symp. Quant. Biol.</i> 43:1111-1114, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY (1979).

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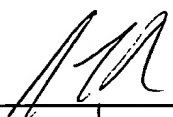
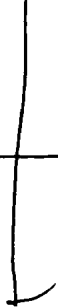
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	AP						Yes No

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	AR	<u>33</u>	Mizuuchi, M. and Mizuuchi, K., "The extent of DNA sequence required for a functional bacterial attachment site of phage lambda," <i>Nucl. Acids Res.</i> 13:1193-1208, Oxford University Press, Oxford, England (1985).
	AS	<u>33</u>	Mozo, T. and Hooykaas, P. J. J., "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation," <i>Mol. Gen. Genet</i> 236:1-7, Springer-Verlag, New York, NY (1992).
	AT	<u>33</u>	Mullins, L.J., et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," <i>Nucl. Acids Res.</i> 25(12):2539-2540, Oxford University Press, Oxford, England (1997).

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	AP						Yes No




OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>34</u>	Nagaraja, R. and Weisberg, R. A., "Specificity Determinants in the Attachment Sites of Bacteriophages HK022 and λ ," <i>J. Bacteriol.</i> 172:6540-6550, American Society for Microbiology, Washington, D.C. (1990).
	AS	<u>34</u>	Nash, H.A., "Integrative Recombination of Bacteriophage Lambda DNA <i>In Vitro</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 72:1072-1076, National Academy of Sciences of the USA, Washington, D.C. (1975).
	AT	<u>34</u>	Nash, H.A., and Robertson, C.A., "Purification and properties of the <i>Escherichia coli</i> protein factor required for lambda integrative recombination," <i>J. Biol. Chem.</i> 256:9246-9253, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1981).

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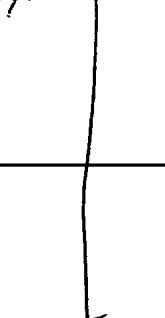
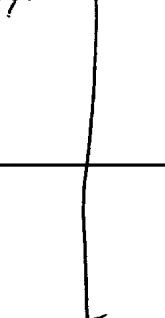
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>35</u>	Nash, H. A., "Purification and Properties of the Bacteriophage Lambda Int Protein," <i>Meth. Enzymol.</i> 100:210-216, Academic Press Inc., New York, NY (1983).
	AS	<u>35</u>	Nash, H. A., et al., "Role of homology in site-specific recombination of bacteriophage λ: Evidence against joining of cohesive ends," <i>Proc. Natl. Acad. Sci. USA</i> 84:4049-4053, National Academy of Sciences of the USA, Washington, D.C. (1987).
	AT	<u>35</u>	Nash, H. and C.A. Robertson, "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products," <i>EMBO J.</i> 8:3523-3533, IRL Press Limited, Oxford, England (1989).

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	AR	<u>36</u>	Nash, H.A., "Bending and supercoiling of DNA at the attachment site of bacteriophage λ ," <i>Trends Biochem. Sci</i> 15:222-227, International Union of Biochemistry and Elsevier Trends Journal, Cambridge, England (1990).
	AS	<u>36</u>	Numrych, T. E., et al., "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda," <i>Nucl. Acids Res.</i> 18:3953-3959, Oxford University Press, Oxford, England (1990).
	AT	<u>36</u>	Numrych, T.E., et al., "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis-integrase cooperativity but not for DNA binding," <i>EMBO J.</i> 11(10):3797-3806, IRL Press Limited, Oxford, England (1992).



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	AR	<u>37</u>	Nunes-Duby, S.E., et al., "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in λ Excisive Recombination," <i>Cell</i> 59:197-206, Cell Press, Cambridge, MA (1989).
	AS	<u>37</u>	Nunes-Duby, et al., "Similarities and differences among 105 members of the Int family of site-specific recombinases," <i>Nucl. Acids Res.</i> 26:391-406, Oxford University Press, Oxford, England (1998).
	AT	<u>37</u>	Oberto, J., et al., "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes," <i>Nucl. Acids Res.</i> 22(3):354-356, Oxford University Press, Oxford, England (February 1994).

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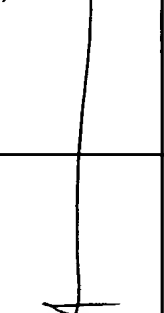
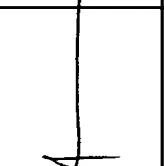
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	AR	<u>38</u>	Oliner, J.D., et al., "In vivo cloning of PCR products in <i>E. coli</i> ," <i>Nucl. Acids Res.</i> 21:5192-5197, Oxford University Press, Oxford, England (1993).
	AS	<u>38</u>	Orban, P. C., et al., "Tissue- and site-specific DNA recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6861-6865, National Academy of Sciences of the USA, Washington, D.C. (1992).
	AT	<u>38</u>	Osborne, B.I., et al., "A system for insertional mutagenesis and chromosomal rearrangement using the Ds transposon and Cre-lox," <i>Plant J.</i> 7:687-701, Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology, Oxford, England (1995).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>39</u>	Padgett, K. A. and Sorge, J. A., "Creating seamless junctions independent of restriction sites in PCR cloning," <i>Gene</i> 168:31-35, Elsevier/North-Holland, Netherlands (February 1996).
	AS	<u>39</u>	Palazzolo, M. J., et al., "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning," <i>Gene</i> 88:25-36, Elsevier/North-Holland, Netherlands (1990).
	AT	<u>39</u>	Pan, G., et al., "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," <i>J. Biol. Chem.</i> 268(5):3683-3689, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1993).

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	AR	<u>40</u>	Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," <i>J. Virol.</i> 71(4):3293-3298, American Society for Microbiology, Washington, D.C. (1997).
	AS	<u>40</u>	Peakman, T. C., et al., "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific <i>in vitro</i> recombination," <i>Nucl. Acids Res.</i> 20:495-500, Oxford University Press, Oxford, England (1992).
	AT	<u>40</u>	Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome," <i>Gene</i> 187:231-238, Elsevier/North-Holland, Netherlands (1997).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>41</u>	Pichel, J. G., et al., "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," <i>Gene</i> 8:3333-3342, Elsevier/North-Holland, Netherlands (1993).
	AS	<u>41</u>	Pierce, J. C., et al., "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 89:2056-2060, National Academy of Sciences of the USA, Washington, D.C. (1992).
	AT	<u>41</u>	Podhajska, A. J., et al., "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated att-nutL-p-att-N module," <i>Gene</i> 40:163-168, Elsevier/North-Holland, Netherlands (1985).

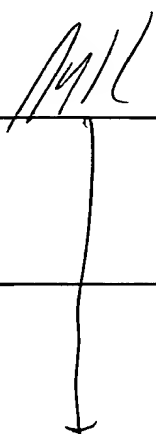
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	AR	<u>42</u>	Pósfai, G., et al., "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucl. Acids Res.</i> 22(12):2392-2398, Oxford University Press, Oxford, England (June 1994).
	AS	<u>42</u>	Prasad, P. V., et al., "Substrate Recognition by the 2µm Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," <i>Mol. Cell. Biol.</i> 6:4329-4334, American Society for Microbiology, Washington, D.C. (1986).
	AT	<u>42</u>	Qian, X., et al., "Reactions between Half- and Full-FLP Recombination Target Sites: A Model System for Analyzing Early Steps in FLP Protein-Mediated Site-Specific Recombination," <i>J. Biol. Chem</i> 267(11):7794-7805, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1992).

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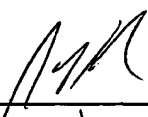

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	AR	<u>43</u>	Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," Cell 25:713-719, Cell Press, Cambridge, MA (1981).
	AS	<u>43</u>	Reed, R.R. and N.D. Grindley, "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," Cell. 25:721-728, Cell Press, Cambridge, MA (1981).
	AT	<u>43</u>	Richet, E., et al., "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," Cell 46:1011-1021, Cell Press, Cambridge, MA (1986).

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	AR	<u>44</u>	Richet, E., et al., "Synopsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," <i>Cell</i> 52:9-17, Cell Press, Cambridge, MA (1988).
	AS	<u>44</u>	Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," <i>J. Bacteriol.</i> 165(2):341-347, American Society for Microbiology, Washington, D.C. (1986).
	AT	<u>44</u>	Sadowski, P.D., "The Flp recombinase of the 2-microns plasmid of <i>Saccharomyces cerevisiae</i> ," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 51:53-91, Academic Press, New York, NY (1995).

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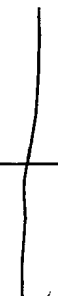
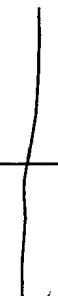
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	AR	<u>45</u>	Sauer, B., et al., "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84:9108-9112, National Academy of Sciences of the USA, Washington, D.C. (1987).
	AS	<u>45</u>	Sauer, B., "Functional Expression of the cre-lox Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 7:2087-2096, American Society for Microbiology, Washington, D.C. (1987).
	AT	<u>45</u>	Sauer, B. and Henderson, N., "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination," <i>Gene</i> 70:331-341, Elsevier/North-Holland, Netherlands (1988).

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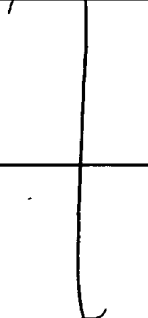
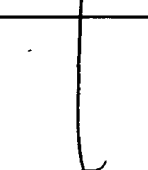
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>46</u>	Sauer, B. and Henderson, N., "Cre-stimulated recombination at loxP-containing DNA sequences placed into the mammalian genome," <i>Nucl. Acids Res.</i> 17:147-161, Oxford University Press, Oxford, England (1989).
	AS	<u>46</u>	Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," <i>Meth. Enzymol.</i> 225:890-900, Academic Press Inc., New York, NY (1993).
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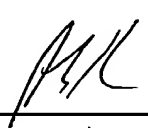
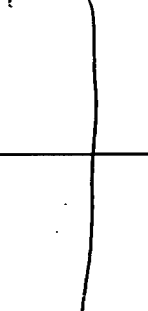
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	AR	<u>47</u>	Sauer, B., "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome," <i>Nucl. Acids Res.</i> 24(23):4608-4613, Oxford University Press, Oxford, England (1996).
	AS	<u>47</u>	Sauer, B., "Inducible Gene Targeting in Mice Using the Cre/lox System," <i>Methods</i> 14:381-392, Academic Press, Inc., New York, NY (April 1998).
	AT	<u>47</u>	Schindelbauer, D., and Cooke, H.J., "Efficient combination of large DNA <i>in vitro</i> : in gel site specific recombination (IGSSR) of PAC fragments containing α satellite DNA and the human HPRT gene locus," <i>Nucl. Acids Res.</i> 25(11):2241-2243, Oxford University Press, Oxford, England (1997).

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	AR	<u>48</u>	Schlake, T., and Bode, J., "Use of Mutated FLP Recognition Target (FRT) Sites for the Exchange of Expression Cassettes at Defined Chromosomal Loci," <i>Biochem.</i> 33:12746-12751, American Chemical Society, Washington D.C. (November 1994).
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	AT	<u>48</u>	Segall, A.M., and Nash, H.A., "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the attL site into three distinct pathways," <i>Genes to Cells</i> 1:453-463, Blackwell Science Ltd., Oxford, England (1996).

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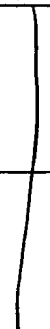
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	AR	<u>49</u>	Senecoff, J.F., et al., "DNA Recognition by the FLP Recombinase of the Yeast 2 μ Plasmid - A Mutational Analysis of the FLP Binding Site," <i>J. Mol. Biol.</i> 201:405-421, Academic Press, Inc., New York, NY (1988).
	AS	<u>49</u>	Sheffield, P. et al., "Overcoming Expression and Purification Problems of RhoGDI Using a Family of "Parallel" Expression Vectors," <i>Protein Expr. Purific.</i> 15:34-39, Academic Press, New York, NY (1999).
	AT	<u>49</u>	Shuman, S., "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:10104-10108, National Academy of Sciences of the USA, Washington, D.C. (1991).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>50</u>	Sizemore, C., et al., "Quantitative analysis of Tn10 Tet repressor binding to a complete set of tet operator mutants," <i>Nucl. Acids Res.</i> 18(10):2875-2880, Oxford University Press, Oxford, England (1990).
	AS	<u>50</u>	Smith, A. J. H., et al., "A site-directed chromosomal translocation induced in embryonic stem cells by Cre-loxP recombination," <i>Nat. Gen.</i> 9:376-385, Nature Publishing Co., New York, NY (April 1995).
	AT	<u>50</u>	Snaith, M.R., et al., "Multiple cloning sites carrying loxP and FRT recognition sites for the Cre and Flp site-specific recombinases," <i>Gene</i> 166:173-174, Elsevier/North-Holland, Netherlands (December 1995).

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	AR	<u>51</u>	Spengler, S.J., <i>et al.</i> , "The Stereostructure of Knots and Catenanes Produced by Phage λ Integrative Recombination: Implications for Mechanism and DNA Structure," Cell 42:325-334, Cell Press, Cambridge, MA (1985).
	AS	<u>51</u>	Sternberg, N., <i>et al.</i> , "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," Cold Spring Harbor Symp. Quant. Biol. 45:297-309, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY (1981).
	AT	<u>51</u>	Sternberg, N., <i>et al.</i> , "Bacteriophage P1 cre Gene and its Regulatory Region," J. Mol. Biol. 187:197-212, Academic Press, Inc., New York, NY (1986).

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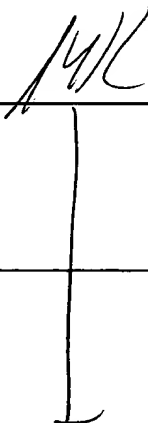
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>52</u>	Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107, National Academy of Sciences of the USA, Washington, D.C. (1990).
	AS	<u>52</u>	Storck, T., et al., "Rapid construction in yeast of complex targeting vectors for gene manipulation in the mouse," <i>Nucl. Acids Res.</i> 24:4594-4596, Oxford University Press, Oxford, England (1996).
	AT	<u>52</u>	Strathmann, M., et al., "Transposon-facilitated DNA sequencing," <i>Proc. Natl. Acad. Sci. USA</i> 88:1247-1250, National Academy of Sciences of the USA, Washington, D.C. (1991).

EXAMINER	JAMES KETTER PRIMARY EXAMINER	DATE CONSIDERED 6/22/02
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.5010002

APPLICATION NO.
09/732,914

APPLICANT
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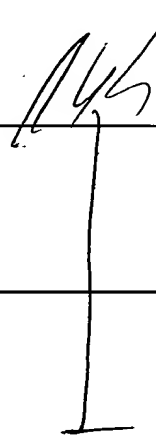
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>53</u>	Thompson, J. F., et al., "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications," <i>J. Bacteriol.</i> 168:1343-1351, American Society for Microbiology, Washington, D.C. (1986).
	AS	<u>53</u>	Thompson, J.F., et al., "Helical-repeat dependence of integrative recombination of bacteriophage λ : Role of the <i>P1</i> and <i>H1</i> protein binding sites," <i>Proc. Natl. Acad. Sci. USA</i> 85:6323-6327, National Academy of Sciences of the USA, Washington, D.C. (1988).
	AT	<u>53</u>	Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," <i>Proc. Natl. Acad. Sci. USA</i> 95:5505-5510, National Academy of Sciences of the USA, Washington, D.C. (May 1998).

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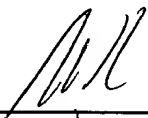
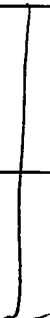
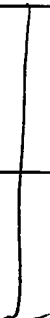
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>54</u>	Tsurushita, N., et al., "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries," <i>Gene</i> 172:59-63, Elsevier/North-Holland, Netherlands (1996).
	AS	<u>54</u>	Vanin, E.F., et al., "Development of High-Titer Retroviral Producer Cell Lines by Using Cre-Mediated Recombination," <i>J. Virol.</i> 71:7820-7826, American Society for Microbiology, Washington, D.C. (1997).
	AT	<u>54</u>	Waterhouse, P., et al., "Combinatorial infection and in vivo recombination: a strategy for making large phage antibody repertoires," <i>Nucl. Acids Res.</i> 21(9):2265-2266, Oxford University Press, Oxford, England (1993).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>55</u>	Wang, G., et al., "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:7874-7878, National Academy of Sciences of the USA, Washington, D.C. (1993).
	AS	<u>55</u>	Wasserman, S.A., et al., "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling," <i>Nature</i> 334:448-450, Macmillan Publishers Ltd., London, England (1988).
	AT	<u>55</u>	Wierzbicki, A., et al., "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre," <i>J. Mol. Biol.</i> 195:785-794, Academic Press, Inc., New York, NY (1987).

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	AT	56	Wild, J., et al., "Targeting and retrofitting pre-existing libraries of transposon insertions with FRT and oriV elements for in-vivo generation of large quantities of any genomic fragment," <i>Gene</i> 223:55-66, Elsevier/North-Holland, Netherlands (1998).

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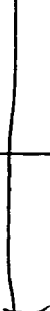
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	AR	<u>57</u>	Winoto, A., et al., "Directional Control of Site-specific Recombination by Bacteriophage λ," <i>J. Mol. Biol.</i> 192:677-680, Academic Press, Inc., New York, NY (1986).
	AS	<u>57</u>	Yang, W., and Mizuuchi, K., "Site-specific recombination in plane view," <i>Structure</i> 5:1401-1406, Current Biology, London, England (1997).
	AT	<u>57</u>	Yanisch-Perron, C., et al., "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mpl8 and pUC19 vectors," <i>Gene</i> 33:103-119, Elsevier/North-Holland, Netherlands (1985).

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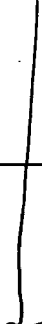
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	AR	<u>58</u>	Yoon, Y.G., et al., "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 µm plasmid-derived system," <i>Gene</i> 223:67-76, Elsevier/North-Holland, Netherlands (1998).
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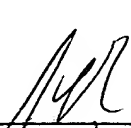
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.5010002	APPLICATION NO. 09/732,914
	APPLICANT Cheo et al.	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>59</u>	Zhu, et al., "Homology requirements for ligation and strand exchange by the FLP recombinase," <i>J. Biol. Chem.</i> 270:11646-11653, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1995).
	AS	<u>59</u>	International Search Report for International Application No. PCT/US98/22589, mailed October 26, 1998.
	AT	<u>59</u>	Gage, P.J., et al., "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," <i>J. Virol.</i> 66:5509-5515, American Society for Microbiology, Washington, D.C. (1992).

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	AR	<u>60</u>	Götz, F., et al., "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97, Elsevier Publishing Co., Amsterdam, Netherlands (1990).
	AS	<u>60</u>	Green, R. and Noller, H.F., "Ribosomes and Translation," <i>Ann. Rev. Biochem.</i> 66:679-716, Annual Reviews, Inc., Palo Alto, CA (1997).
	AT	<u>60</u>	Jeong, J.-H., et al., "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>J. DNA sequencing and Mapping</i> 4:59-67, Harwood Academic Publishers GmbH, Switzerland (1993).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>61</u>	Kitts, P.A. and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," <i>J. Mol. Biol.</i> 204:95-107, Academic Press, Inc., New York, NY (1988).
	AS	<u>61</u>	Lake, J.A., "Evolving Ribosome Structure: Domains in Archaeobacteria, Eubacteria, Eocytes and Eukaryotes," <i>Ann. Rev. Biochem.</i> 54:507-530, Annual Reviews, Inc., Palo Alto, CA (1985).
	AT	<u>61</u>	Mackie, G.A., "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions," <i>J. Biol. Chem.</i> 256:8177-8182, American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1981).

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	AS	<u>62</u>	Wittman, H.G., "Components of Bacterial Ribosomes," Ann. Rev. Biochem. 51:155-183, Annual Reviews, Inc., Palo Alto, CA (1982).
	AT	<u>62</u>	Wittmann, H.G., "Architecture of Prokaryotic Ribosomes," Ann. Rev. Biochem. 52:35-65, Annual Reviews, Inc., Palo Alto, CA (1983).

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	AR	<u>63</u>	Jayaram, M., "The Int family of site-specific recombinases: Some thoughts on a general reaction mechanism," <i>J. Genet.</i> 67:29-36, Indian Academy Of Sciences Bangalore, Bangalore, India (1988).
	AS	<u>63</u>	Angelasro, J.M., <i>et al.</i> , "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences of the USA, Washington, D.C. (September 2000).
	AT	<u>63</u>	Burioni, R., <i>et al.</i> , "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," <i>Res. Virol.</i> 148:161-164, Elsevier, Paris, France (1997).

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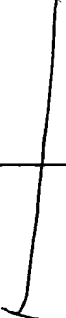
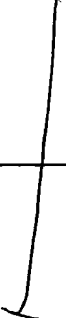
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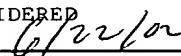
	AR	<u>64</u>	Capone, J.P., et al., "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," <i>Mol. Cell. Biol.</i> 6:3059-3067, American Society for Microbiology, Baltimore, MD (1986).
	AS	<u>64</u>	Chanock, R.M., et al., "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press, New York, NY (1993).
	AT	<u>64</u>	Chong, S., et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," <i>Gene</i> 192:271-281, Elsevier Science B.V., Amsterdam, Netherlands (1997)

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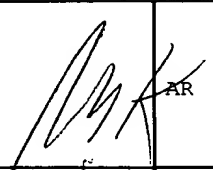
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	AR	<u>65</u>	Chuang, C.-F., et al., "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 97:4985-4990, National Academy of Sciences of the USA, Washington, D.C. (April 2000).
I	AS	<u>65</u>	Datson, N.A., et al., "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," <i>Nucl. Acids Res.</i> 27:1300-1307, Oxford University Press, Oxford, England (March 1999).
I	AT	<u>65</u>	Davis, C.R., et al., "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal <i>cdc42</i> ^{G12V} and Dominant Negative <i>cdc42</i> ^{D118A} Mutations," <i>J. Biol. Chem.</i> 273:849-858, The American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MD (1998).

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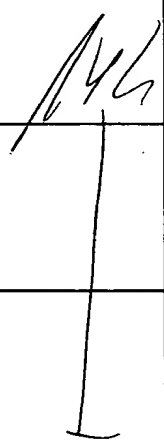
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>66</u>	Deng, M.-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," <i>Appl. Environ. Microbiol.</i> 65:523-528, American Society for Microbiology, Washington D.C. (February 1999).
	AS	<u>66</u>	Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," <i>Proc. Natl. Acad. Sci. USA</i> 95:1356-1357, National Academy of Sciences of the USA, Washington, D.C. (1998).
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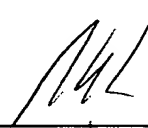

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	AS	<u>67</u>	Francia, M.V., et al., "The IntI1 Integron Preferentially Binds Single-Stranded DNA of the attC Site," <i>J. Bacteriol.</i> 181:6844-6849, American Society for Microbiology, Baltimore, MD (1999).
	AT	<u>67</u>	Hancock, R.E.W., and Scott, M.G., "The role of antimicrobial peptides in animal defenses," <i>Proc. Natl. Acad. Sci. USA</i> 97:8856-8861, National Academy of Sciences of the USA, Washington, D.C. (August 2000).

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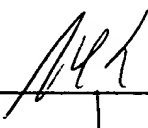
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	AR	<u>68</u>	Kealy, J.T., et al., "Production of a polyketide natural product in nonpolyketide-producing prokaryotic and eukaryotic hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences of the USA, Washington, D.C. (1998).
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	AT	<u>68</u>	Kouprina, N., et al., "Rescue of Targeted Regions of Mammalian Chromosomes by in Vivo Recombination in Yeast," <i>Genome Res.</i> 8:666-672, Cold Spring Harbor Research Laboratory Press, Cold Spring Harbor, NY (1998).

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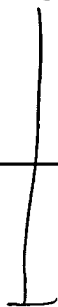

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	AR	<u>69</u>	Leung, L.L.K., "Application of Combinatorial Libraries and Protein Engineering to the Discovery of Novel Anti-Thrombotic Drugs," <i>Thromb. Haemost.</i> 74:373-376, F.K. Schattauer Verlagsgesellschaft mbH, Stuttgart, Germany (1995).
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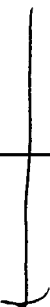

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	AR	<u>70</u>	Mahillon, J., et al., "Subdivision of the Escherichia coli K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," <i>Gene</i> 223:47-54, Elsevier Science B.V., Amsterdam, Netherlands (1998).
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	AT	<u>70</u>	O'Gara, J.P., et al., "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in <i>Rhodobacter sphaeroides</i> 2.4.1," <i>Appl. Environ. Microbiol.</i> 63:4713-4720, American Society for Microbiology, Washington D.C. (1997).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>71</u>	Panke, S., et al., "Engineering of Quasi-Natural <i>Pseudomonas putida</i> Strains for Toluene Metabolism through an ortho-Cleavage Degradation Pathway," <i>Appl. Environ. Microbiol.</i> 64:748-751, American Society for Microbiology, Washington, D.C. (1998).
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FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.5010002

APPLICATION NO.
09/732,914

APPLICANT
Cheo et al.

FILING DATE
December 11, 2000

GROUP
1645

U.S. PATENT DOCUMENTS

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	AR	<u>72</u>	Persson, M.A.A., "Combinatorial Libraries," <i>Intern. Rev. Immunol.</i> 10:153-63, Harwood Academic Publishers GmbH, Chur, New York (1993).
	AS	<u>72</u>	Phillips-Jones, M.K., et al., "Context Effects on Misreading and Suppression at UAG Codons in Human Cells," <i>Mol. Cell. Biol.</i> 15:6593-6600, American Society for Microbiology, Baltimore, MD (1995).
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	APPLICANT Cheo et al.	
	FILING DATE December 11, 2000	GROUP 1645


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	AR	73	Prieto, M.A., et al., "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of <i>Escherichia coli</i> W: Engineering a Mobile Aromatic Degradative Cluster," <i>J. Bacteriol.</i> 178:111-120, American Society for Microbiology, Washington, D.C. (1996).
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	AR	<u>74</u>	Schnepf, E., et al., "Bacillus thuringiensis and Its Pesticidal Crystal Proteins," <i>Microbiol. Mol. Biol. Rev.</i> 62:775-806, American Society for Microbiology, Washington, D.C. (1998).
	AS	<u>74</u>	Shim, J., et al., "Distinct and Redundant Functions of p1 Medium Chains of the AP-1 Clathrin-Associated Protein Complex in the Nematode <i>Caenorhabditis elegans</i> ," <i>Mol. Biol. Cell</i> 11:2743-2756, American Society for Biology, Washington, D.C. (August 2000).
	AT	<u>74</u>	Simpson, J.C., et al., "Systematic subcellular localization of novel proteins identified by large-scale cDNA sequencing," <i>EMBO Reports</i> 1:287-292, European Molecular Biology Organization, Oxford, England (September 2000).

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	AR	<u>75</u>	Skrally, F.A., et al., "Construction and Characterization of a 1,3-Propanediol Operon," <i>Appl. Environ. Microbiol.</i> 64:98-105, American Society for Microbiology, Washington, D.C. (1998).
	AS	<u>75</u>	Spinella, D.G., et al., "Tandem arrayed ligation of expressed sequence tags (TALEST): a new method for generating global gene expression profiles," <i>Nucl. Acids Res.</i> 27(e22):i-viii, Oxford University Press, Oxford, England (1999).
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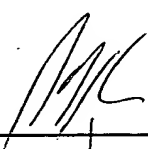
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	AR	<u>76</u>	Stellwagen, A.E., and Craig, N.L., "Mobile DNA elements: controlling transposition with ATP-dependent molecular switches," <i>Trends Biochem. Sci.</i> 23:486-490, Elsevier Science Publishers, Amsterdam, Netherlands (1998).
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	AT	<u>76</u>	Voziyarov, Y., et al., "A general model for site-specific recombination by the integrase family recombinases," <i>Nucl. Acids Res.</i> 27:930-941, Oxford University Press, Oxford, England (1999).


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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>78</u>	Simpson, J.C., et al., "Systematic subcellular localization of novel proteins identified by large-scale cDNA sequencing," <i>EMBO Reports</i> 1:287-292, IRL Press Limited, Oxford, England (September 2000).
	AS	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/177,387, filed October 23, 1998.
	AT	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/233,492, filed January 20, 1999.


EXAMINER JAMES KETTER PRIMARY EXAMINER	DATE CONSIDERED <i>6/22/02</i>
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>79</u>	Pending U.S. Non-Provisional Patent Application No. 09/296,280, filed April 22, 1999.
	AS	<u>79</u>	Pending U.S. Non-Provisional Patent Application No. 09/296,281, filed April 22, 1999.
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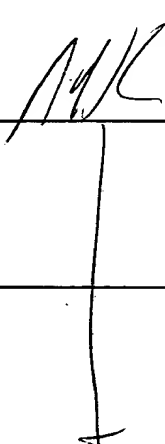
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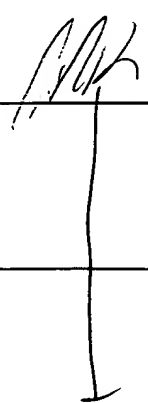
	AR	<u>80</u>	Pending U.S. Non-Provisional Patent Application No. 09/438,358, filed November 12, 1999.
	AS	<u>80</u>	Pending U.S. Non-Provisional Patent Application No. 09/498,074, filed February 4, 2000.
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	AR	<u>81</u>	Pending U.S. Non-Provisional Patent Application No. 09/518,188, filed March 2, 2000.
	AS	<u>81</u>	Pending U.S. Non-Provisional Patent Application No. 09/648,790, filed August 28, 2000.
	AT	<u>81</u>	Pending U.S. Non-Provisional Patent Application No. 09/695,065, filed October 25, 2000.

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